

# FutureCom™ Industrial Patch Cord, FRNC, IP67/65 - RJ45 connector

purple, IP67/65 - RJ45

CORNING

FutureCom Industrial S/FTP flex IP67/65 patch cords are specially designed for Ethernet connections in areas with harsh environmental conditions such as humidity, water, dust or extreme temperatures.

The FutureCom Industrial S/FTP flex IP67/65 patch cord are foil and braid shielded (PiMF) and offer a polyurethane jacket for harsh environments. They are assembled with one industrial RJ45 connector in compliance with IEC 60603-7-4 and IEC 61076-3-106 and one RJ45 connector at each end.

They are available in various lengths.

## Features

- high-quality IP67 industrial-RJ45 Cat.6 connector in compliance with IEC 61076-3-106
- Robust connector for harsh environmental conditions such as jet water during cleaning with water hose, extreme temperatures, dust and humidity
- Flame resistant and non-corrosive
- Microbe- and hydrolysis resistant cable
- Cable resistant against mineral and cooling lubricant
- Cable resistant against aromatic hydrocarbon
- IP67 protection level according to EN 60529
- ProfiNET compliant



## Specifications

General Specifications	
Cable assembly type	Industrial Patch Cords
Environment	Industrial
Cable type	S/FTP
Halogen-free	Yes
Category	6

Design - Connector A	
Connector type	RJ45 - 8/8

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## Mechanical Specifications - Connector A

Durability	750 Cycles
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## Electrical Specifications - Connector

Insulation Resistance	≥ 5000 MΩ
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## Design - Connector B

Connector type	IP67
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## Cable design

Min. Bend Radius Installation	40 mm
Min. Bend Radius Operation	18 mm
Outer jacket material	LSZH™/FRNC
Outer jacket colour	Purple

## Mechanical Characteristics

Copper conductor	AWG 26
Temperature range (installation)	0 °C to 50 °C
Operating temperature	-20 °C 60 °C

## Electrical characteristics (at 20°C)

Max. loop resistance	290 Ω/km
DC resistance unbalance	2 %
Impedance $Z_0$ at 0-100 MHz	100 Ω +/- 15%
Impedance $Z_0$ at 101-250 MHz	100 Ω +/- 18%
Impedance $z_0$ at 251-600 MHz	100 Ω +/- 25%
Surface transfer impedance	< 10 mΩ/m per meter at 10 MHz
Mutual capacity	43 pF/m
Earth coupling at 0.001 MHz	1600
Propagation delay ≥10 MHz	4.3 ns/m
Delay skew	20 ns/100 m

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## Chemical characteristics

RoHS	Free of hazardous substances according to RoHS 2002/95/EG
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## Ordering Information

Part Number	CCAIHB-G70H1-A010-C0
Product Description	FutureCom™ Industrial Patch Cord, FRNC, IP67/65 - RJ45 connector, purple, 1 m
Length	1 m

## Shipping Information

Units per delivery	1/1
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Corning Optical Communications GmbH & Co. KG · Leipziger Strasse 121 · 10117 Berlin, GERMANY  
00 800 2676 4641 · FAX: +49 30 5303 2335 · [www.corning.com/opcomm/emea](http://www.corning.com/opcomm/emea)

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